



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 SOUTH 500 EAST  
VERNAL, UTAH 84078

TAKE  
PRIDE IN  
AMERICA

IN REPLY REFER TO:

3160  
UT08438

March 1, 1991

**RECEIVED**

MAR 04 1991

EPS Resources Corporation  
5655 South Yosemite, Suite 460  
Englewood, CO 80111

**EPS RESOURCES CORPORATION**

Re: Well No. 1-8  
SESW, Sec. 8, T9S, R24E  
Lease No. U-59150  
Uintah County, Utah

Gentlemen:

Enclosed are two approved copies of the Application for Permit to Drill for the above referenced well.

If you have any questions concerning this matter, please contact Sally Gardiner of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II  
Assistant District Manager  
for Minerals

Enclosure

**RECEIVED**

MAY 06 1991

DIVISION OF  
OIL GAS & MINING

# Valley Operating, Inc.

Office: (303) 355-3242 Fax: (303) 377-9798

745 Gilpin Street  
Denver, Colorado 80218-3633

May 2, 1991

State of Utah  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

ATTN: Frank Matthews

RE: Well No. 1-8  
SESW, Sec. 8, T9S, R24E  
Lease No. U-59150  
Uintah County, Utah

Dear Mr. Matthews:

As per your request, please find enclosed approved copies of the Application for Permit to Drill for the above referenced well in the Dirty Devil Unit, Uintah County, Utah.

At this time we have no immediate plans to drill this location. We will keep you informed of any new developments.

Sincerely yours,

*F. Lee Robinson* 5/2  
F. Lee Robinson  
Vice President

cs

Enclosure

RECEIVED

MAY 06 1991

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

~~EPS RESOURCES CORPORATION~~

3. ADDRESS OF OPERATOR

745 ~~Valley Operating~~ ~~Valley Operating~~

5655 S. Yosemite, Suite 460, Englewood, Colorado 80111 80018

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

821' FSL 2282' FWL SE 1/4 SW 1/4 Sec. 8, T9S-R24E, S.L.B. & M.  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

35 Miles SE of Vernal, Utah

10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

821

16. NO. OF ACRES IN LEASE

1600+

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1 Mile

19. PROPOSED DEPTH

8000' MVRD

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 5098' (Upgraded) 5112' KB Estimated

22. APPROX. DATE WORK WILL START\*

Upon Receipt of Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT                           |
|--------------|----------------|-----------------|---------------|--|
| 17-3/4"      | 13-3/8"        | 48.0#           | 150'          | 200 SX                                       |
| 12-1/4"      | 9-5/8"         | 36.0#           | 2800'         | 300 SX                                       |
| 7-7/8"       | 4-1/2"         | 11.6#           | 8000'         | As needed to protect all<br>productive zones |

Operator proposes to drill a Mesaverde Test estimated to 8000'. Intermediate casing will be run and cemented to protect the oil shale section of the Green River Formation. All water flows and significant hydrocarbon shows will be reported. The well will be drilled according to the attached program. Adequate BOP equipment will be maintained at all times. If commercial production is encountered, production casing will be run and cemented adequately to protect the zones of interest. No abnormal pressures or temperatures are anticipated and drilling operations will continue for 16 days upon commencement. The anticipated bottom hole pressure (static) will be approximately 2000 psi.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Edward Neibauer*

TITLE

Petroleum Engineer

(This space for Federal or State office use)

PERMIT NO.

43-047-39035

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

*David J. Plummer*

TITLE

APPROVAL DATE  
ASSISTANT DISTRICT  
MANAGER MINING

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 5-29-91

DATE: MAR 1 1991

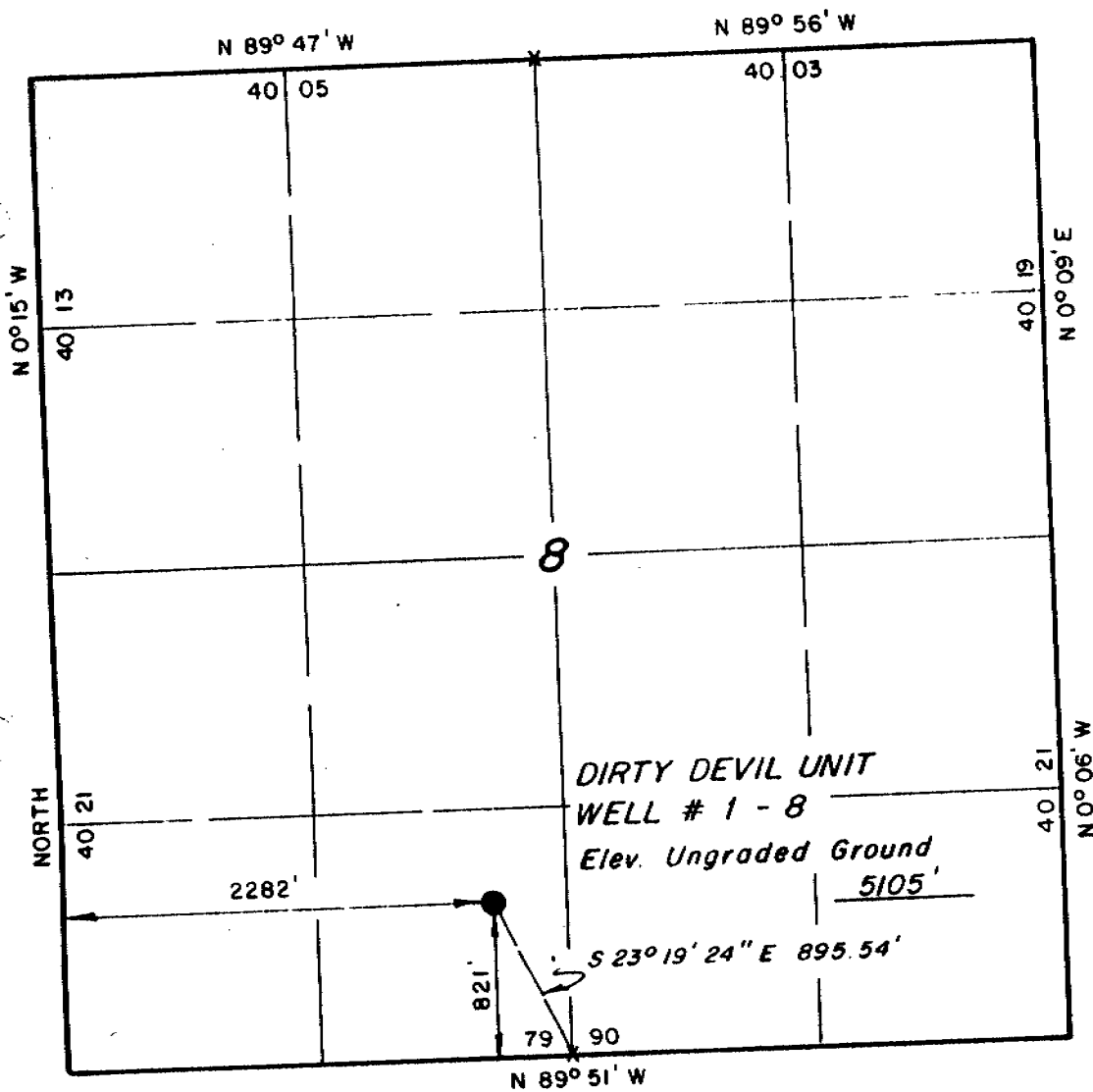
WELL SPACING: 641-2-13

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

T 9 S, R 24 E, S.L.B. & M.



X = Section Corners Located

PROJECT  
EPS RESOURCES

Well location, *DIRTY DEVIL UNIT*  
**WELL # 1 - 8**, located as shown in  
the SE 1/4 SW 1/4 Section 8, T9 S,  
R 24 E, S.L.B. & M. Uintah County,  
Utah.



THIS IS TO CERTIFY THAT I HAVE READ THE ABOVE FIELD NOTES OF A TRAIL SURVEY MADE BY [redacted] SUPERVISOR AND THAT THE SAME ARE TO MY BEST KNOWLEDGE AND BELIEF TRUE AND CORRECT.

[Signature]  
[Name]  
[Title]

**REGISTRATION**

No. 5709  
**ROBERT L. KAY**

**SUPERVISOR**

REGISTRAR AND SURVEYOR  
REGISTRATION NO. 5709  
STATE OF UTAH

Rev. 1/6/87

UNION ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

|                     |                        |
|---------------------|------------------------|
| SCALE<br>1" = 1000' | DATE<br>12/22/86       |
| PARTY<br>DK BW      | REFERENCES<br>GLO Plat |
| WEATHER<br>Fair     | FILE<br>EPS RESOURCES  |

CONDITIONS OF APPROVAL  
FOR APPLICATION FOR PERMIT TO DRILL

Company/Operator: EPS Resources Corp.

Well Name & Number: Dirty Devil 1-8

Lease Number: U-59150

Location: SESW Sec.8, T.9S., R.24E.

Surface Ownership: BLM

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company EPS Resources Corporation Well No. Dirty Devil 1-8  
Location SE/SW, Section 8, T9S., R24E. Lease No. U-59150

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**A. DRILLING PROGRAM**

**1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered**

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

**2. Pressure Control Equipment**

The BOP and related equipment shall meet the minimum requirements of onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed.

The Vernal District Office shall be notified, at least twenty-four (24) hours prior to initiating pressure tests, in order to have a BLM representative on location during pressure testing.

**3. Casing Program and Auxiliary Equipment**

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

Usable water maybe encountered from the surface to + 1,160 ft in the Uinta Formation and + 1,160 - 2,100 ft in the Green River Formation. The Mahogany Oil Shale and the L1 Oil Shale have been identified from + 2,010 - 2,140 ft and + 2,200 - 2,300 ft, respectively. Also, gilsonite may be encountered in the shallow subsurface. Therefore, as a minimum, the resources shall be isolated and/or protected via the cementing program by cementing the intermediate casing to surface and by having a cement top for the production casing at least 200 ft above the shallowest potential productive interval.

The Vernal District Office shall be notified at least twenty-four (24) hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

#### 4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

#### 5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the Authorized Officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the Authorized Officer (AO).

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) for the production casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

## 6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the A0. If operations are to be suspended, prior approval of the A0 will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified during regular work hours (7:45 a.m. - 4:30 p.m., Monday through Friday, except holidays), at least twenty-four (24) hours PRIOR to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the A0, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the A0 will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of thirty (30) days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the A0. Should gas be vented or flared without

approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram, as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4, shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations, as specified in Onshore Oil and Gas Order No. 3, shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his/her representative or the appropriate Surface Managing Agency.

#### 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

|                    |                |
|--------------------|----------------|
| Gerald E. Kenczka  | (801) 781-1190 |
| Petroleum Engineer |                |

|                    |                |
|--------------------|----------------|
| Ed Forsman         | (801) 789-7077 |
| Petroleum Engineer |                |

|                 |                |
|-----------------|----------------|
| BLM FAX Machine | (801) 789-3634 |
|-----------------|----------------|

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous:

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids.

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt wastes.

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation, and miscellaneous solids

B. SURFACE USE PROGRAM:

1. Existing Roads

All travel will be confined to existing access road rights-of-way.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

2. Location of Existing and/or Proposed Facilities

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted with-in 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Desert Brown.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

3. Methods for Handling Waste Disposal

On BLM administered lands:

The reserve pit shall be constructed so as not to leak, break, or allow discharge.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

4. Well Site Layout

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a. 39-inch net wire shall be used with at least one strand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- b. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

#### 5. Plans for Restoration of Surface

##### a. Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within ninety (90) days from the date of well completion. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.

Contact appropriate surface management agency for required seed mixture.

##### b. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

## 6. Other Additional Information

- a. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

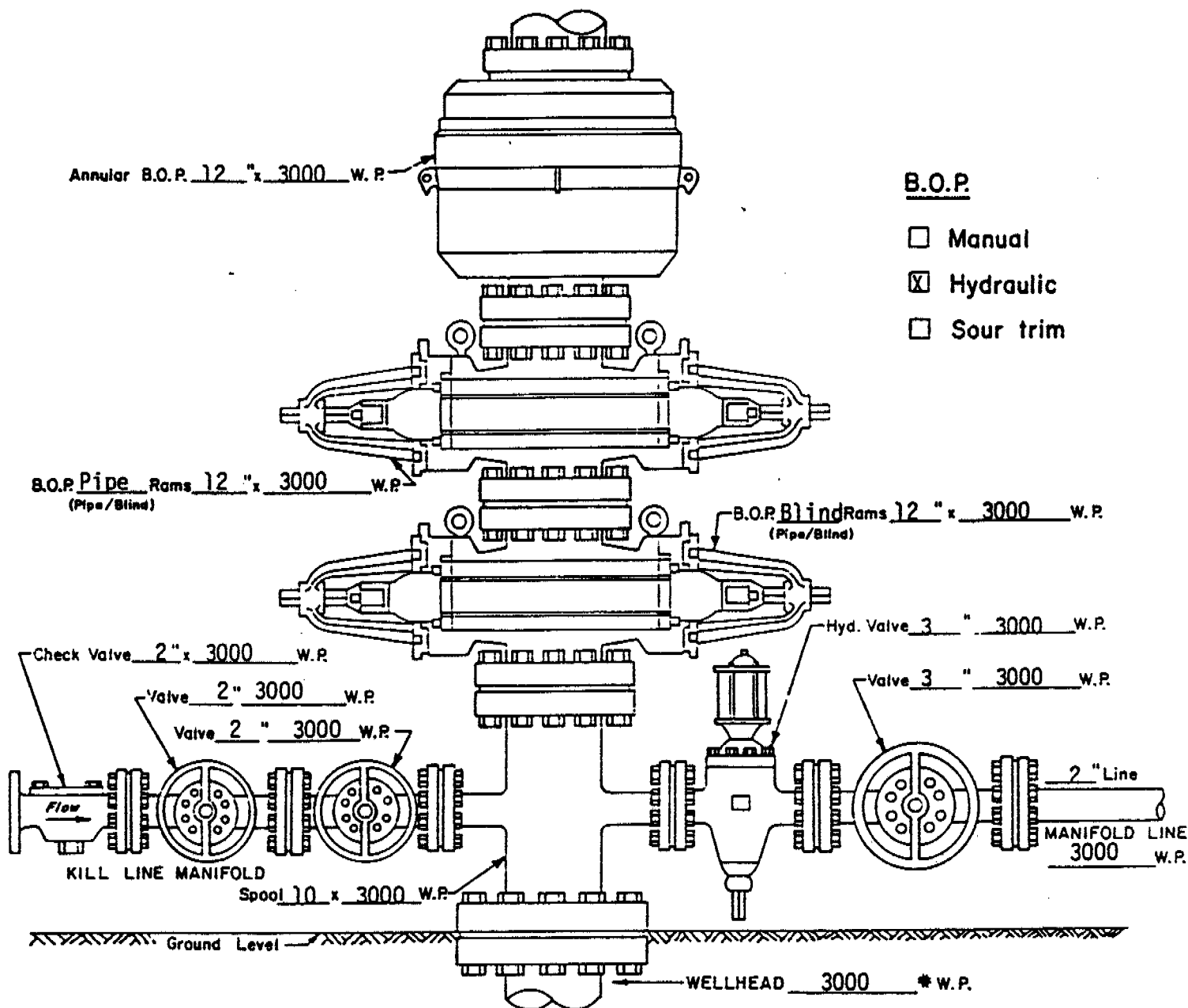
If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- b. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- c. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

Additional Surface Stipulations

- No construction or drilling activities shall be conducted between May 15, and June 20, because the well is within a crucial antelope kidding area.

|  |   |
|--|---|
| COMPANY<br>Dirty Devil, L.P.   | WELL NAME AND NUMBER<br>Dirty Devil Unit - #1-8 |
| LOCATION<br>SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 8, T9S-R24E, S.L.B. & M. Uintah County, Utah |   |



B.O.P.

- ☐ Manual
- ☒ Hydraulic
- ☐ Sour trim

Fill blanks with applicable information. If not applicable, enter "N.A." or cross-out item shown. Enter other pertinent information below.

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## WELL PROGNOSIS

WELL: DIRTY DEVIL UNIT - #1-8

LOCATION: SE4 SW4 Section 8, T9S-R24E, S.L.B.&M

DRILLING CONTRACTOR: To be selected.

ELEVATION: GR-5098' (ungraded) 5112' KB estimated

| <u>FORMATION TOPS:</u> | <u>Formation</u> | <u>Depth</u> | <u>Datum</u> |
|------------------------|------------------|--------------|--------------|
|                        | Green River      |              |              |
|                        | Parachute Creek  | 1388'        | +3710        |
|                        | H-Marker         | 2868'        | +2230        |
|                        | Wasatch          | 4213'        | + 885        |
|                        | Mesaverde        | 6048'        | - 950        |
|                        | Total Depth      | 8000'        | -2902        |

SAMPLE COLLECTION: Collect cutting samples at ten (10) foot intervals from under surface to total depth. Samples will be collected by drilling crews for the wellsite geologist. Frequency of sample collection may be changed at the wellsite geologist's discretion.

### ELECTRICAL

SURVEYS: The following logging program will be followed:

2800 - 8500'      7-7/8" hole below 9-5/8" casing.      Dual Laterolog  
Formation Density Compensated, Compensated Neutron Log,  
GR, SP, and CAL.

### MUD LOGGING AND

DRILLING TIME: A portable mud logging unit will be operated by wellsite geologist from below surface casing to total depth. A geograph will be in service from surface casing to total depth.

DRILLSTEM TESTING: No drillstem testing is anticipated.

CORING: No coring operations are anticipated.

PLAN OF DEVELOPMENT  
DRILLING PROGNOSIS

DIRTY DEVIL UNIT:

- 1) Move in air percussion rig and drill 17-1/2" hole to 150'. Set and cement 13-3/8", 48.0#, H-40 casing to surface with approximately 200 sacks cement.
- 2) Move in rotary drilling rig and equipment. Cut off 13-3/8" casing and install 3000# casing flange. Install BOP equipment per BOP and Pressure Containment Data. Pressure test BOP's, manifold and all valves to 2500 psi and annular preventer to 2000 psi prior to drilling casing shoe. Drill 12-1/4" hole to 2800' (+). Prepare hole for intermediate casing.
- 3) Set and cement 9-5/8", 36.0#, K-55 intermediate casing sufficiently to protect any water, oil, gas or other mineral-bearing formations. WOC.
- 4) Land casing and install intermediate spool. Install BOP equipment and retest prior to drilling casing shoe.
- 5) Drill 7-7/8" hole to total depth. Perform drill-stem testing as warranted. Conduct electric logging and prepare hole for production casing.
- 6) Run 4-1/2" or 5-1/2", 11.6#, N-80 or K-55 production casing and cement as necessary across potential zones. The length of the cement column will be determined after the logs have been evaluated.
- 7) Release rotary drilling rig and determine completion procedure.

Special Instructions:

- 1) Run deviation surveys at regular intervals and in conjunction with bit trips.
- 2) Utilize a degasser and necessary solids control equipment.
- 3) Avoid surging hole on trips and fill hole properly when pulling pipe.
- 4) All crew members should be familiar with BOP operations. Functional test pipe rams daily and closed blind rams each trip out of the hole.
- 5) Drilling crews should observe to detect either decrease or increase in fluid level.
- 6) A regular daily mud check should be made by mud engineer.
- 7) Drill stem testing will be determined by the wellsite geologist.

DRILLING FLUID  
PROGRAM:

| <u>Interval</u><br><u>(Feet)</u> | <u>Mud Weight</u><br><u>(lbs/gal)</u> | <u>Viscosity</u><br><u>(secs/qt)</u> | <u>Fluid Loss</u><br><u>(cc's/30 min)</u> |
|----------------------------------|---------------------------------------|--------------------------------------|---|
| 0 - 150'                         | -----AIR-----                         |                                      |   |

Set 13-3/8" casing at 150'.

|             |           |         |            |
|-------------|-----------|---------|------------|
| 150 - 2800' | 8.4 - 8.8 | 27 - 29 | No Control |
|-------------|-----------|---------|------------|

Drill out below surface casing with water. Use gel and lime in the event additional viscosity is required for hole cleaning. If swelling shales are encountered, the drilling fluid salinity should be increased to about 40,000 ppm Na Cl. The salty water will improve hole stability by minimizing the swelling shale tendencies and will allow cuttings to settle out rapidly. Utilize available solids control equipment and circulate the reserve pit if possible. Occasional sweeps of pre-hydrated bentonite may be necessary to insure adequate hole cleaning while drilling this interval and the use of conventional lost circulation materials should control minor losses in this section of the hole. If severe losses are encountered, they should be combatted, if possible, with pill treatments rather than by maintaining lost circulation materials in the system continuously. Lost circulation which cannot readily be controlled by conventional means may justify using cement plugs.

Set 9-5/8" intermediate casing at 2800'.

|              |           |         |            |
|--------------|-----------|---------|------------|
| 2800 - 6000' | 8.6 - 9.0 | 27 - 34 | No Control |
|--------------|-----------|---------|------------|

Drill out below intermediate casing with 3% KCL water. Maintain minimum viscosities and solids by dumping and cleaning mud tanks frequently and utilizing available solids control equipment to prevent recirculating drilled solids. The use of a flocculent will improve the settling of drilled solids. Occasional sweeps of pre-hydrated bentonite, salt gel or asbestos fiber should be used as necessary to clean hole if tight connections are experienced or excessive fill is encountered.

|           |           |         |                 |
|-----------|-----------|---------|-----------------|
| 6000 - TD | 8.9 - 9.6 | 32 - 36 | 12 cc's or less |
|-----------|-----------|---------|-----------------|

As it becomes necessary, or at approximately 6000' mud up by using additions of salt gel, caustic soda, starch and a preservative. Additions of lignosulfonate should be used to obtain needed mud flow properties. Drilling fluid salinity can be adjusted as necessary to increase mud weight without adding additional solids to the system. Seepage and slight lost circulation may occur as the mud weight is increased. Treatments with conventional lost circulation materials may be required to minimize downhold mud losses. Fine mica is

recommended for use to correct minor losses. Wellsite interpretation of hole conditions will aid in determining the fluid properties necessary to ensure satisfactory operations.

Set 4-1/2" or 5-1/2" production casing at TD.

**CASING**

| <u>PROGRAM:</u> | <u>Size, Wt. &amp; Grade</u>           | <u>Setting Depth</u> | <u>Hole Size</u> | <u>Cement Require.</u>   |
|-----------------|--|----------------------|------------------|--|
|                 | 13-3/8", 48.0#, H40 New                | 150'                 | 17-1/2"          | Approximately 200 sacks Class G w/3% Calcium Chloride.   |
|                 | 9-5/8", 36.0#, K55 New                 | 2800'                | 12-1/4"          | Approximately 300 sacks to be verified after caliper log is run.                               |
|                 | 4-1/2", 11.6#, N80 New<br>or<br>5-1/2" | 7100'                | 7-7/8"           | Amount will be determined after logs are run. Use regulated fillup and Class "G" type cements. |

**PRESSURE CONTROL  
EQUIPMENT AND  
SPECIFICATIONS:**

Adequate BOP equipment will be maintained as indicated in the attached Pressure Control Specifications. In addition, the BOP equipment will be well-braced with hand controls extending clear of the drilling rig substructure. The accumulator equipment will provide closing pressure in excess of that required with sufficient volume to operate all components. All BOP equipment, auxiliary equipment, standpipe, valves and rotary hose will be tested as per test schedule or to the rated pressure of the equipment at the time of installation. Modification of the pressure control equipment or testing procedure will be approved in writing on tour sheets by the wellsite representative.

Personnel & Mailing Information:

EPS Resources Company  
5655 S. Yosemite  
Suite 460  
Englewood, Colorado 80111  
Office (303)721-7920

Jack Mercer  
P. O. Box 205  
Vernal, Utah 84078  
Mobile Phone (801)789-6241  
Home (801)789-1842

Notification of Shows, DST's and Unusual Problems:

|                 |                       |                     |
|-----------------|-----------------------|---------------------|
| Jack Mercer     | Mobile: (801)789-6241 | Home: (801)789-1842 |
| Edward Neibauer | Office: (303)721-7920 | (303)337-1153       |

Distribution of Information:

EPS Resources Company  
5655 S. Yosemite  
Suite 460  
Englewood, Colorado 80111  
Attn: Edward Neibauer

State of Utah  
Natural Resources  
Oil, Gas and Mining  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
Attn: Chief Petroleum Engineer

Bureau of Land Management  
U. S. Dept. of the Interior  
170 South 500 East  
Vernal, Utah 84078

Division of State Lands and Forestry  
355 W. North Temple St. #400  
Salt Lake City, Utah 84180-1204

**DIRTY DEVIL, L.P.**

**13 Point Surface Use Plan**

**for**

**Well Location**

**#1-8**

**Located In**

**Section 8, T9S-R24E, S.L.B. & M.**

**Uintah County, Utah**

## **DIRTY DEVIL, L.P.**

Section 8, T9S-R24E, S.L.B. & M.

### **1. EXISTING ROADS**

See attached Topographic Map "A", to reach the Dirty Devil Unit well location, located in Section 8, T9-R24E, S.L.B. & M., from Vernal, Utah.

Proceed East out of Vernal, Utah along U.S. Highway 40, 24 miles to the junction of this highway and Utah State Highway 45 to the South; proceed South along this road 22 miles to Bonanza, Utah and the junction of this road and a gravel surface road to the West; proceed Westerly along this road 4.6 miles to the junction of this road and the proposed access road to be discussed in Item #2.

There is no construction anticipated on any of the above described road. It will meet the standards necessary, for the hauling of equipment during the drilling and production of this well.

### **2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the proposed access road.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

A. This proposed access road will be an 18' crown road (9' either side of the center-line) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any runoff from any normal meteorological conditions that are prevalent to this area.

B. Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

C. The road will be center-line flagged prior to the commencement of construction.

D. The grade of this road will vary from flat to 8%, but will not exceed this amount. This road will be constructed from native borrow accumulated during construction.

E. No major cuts, fills or culverts are necessary for construction on the proposed access road.

F. Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

G. If cattleguards are to be located at existing gates they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

H. The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate either leaving or entering the proposed access road.

### **3. LOCATION OF EXISTING WELLS**

As shown on Topographic Map "B", the other known wells within a one mile radius are identified as follows:

- (1) Water Wells - None
- (2) Abandoned Wells - 1 (one), PTS #11-20, NWNW, Section 20, T9S-R24E, S.L.B. & M.
- (3) Temporarily abandoned wells - None
- (4) Disposal Wells - None
- (5) Drilling Wells - None
- (6) Producing Wells - 2 (two), Dirty Devil Unit (DDU) #1-18, NWNE, Section 18, T9S-R24E, S.L.B. & M., and the DDU #41-9, NENE, Section 9, T9S-R24E, S.L.B. & M.
- (7) Shut in Wells - DDU #23-17, NESW, Section 17, T9S-R24E S.L.B. & M., and DDU #31-15A, NWNE, Section 15, T9S-R24E S.L.B. & M.
- (8) Injection Wells - None
- (9) Monitoring or observation wells for other purposes - None

### **4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES AND PRODUCTION GATHERING LINES AND SERVICE LINES**

All petroleum production facilities are to be contained within the proposed location site.

In the event production is established:

(1) Any plans for a gas flow line from this location to existing gathering lines or a main production line will be submitted to the appropriate agencies for approval.

(2) All production facilities will be located on the existing pad.

(3) Construction materials will be native borrow or cut exposed on the site, and will be consistent with accepted oil field standards and good engineering practices.

(4) As described in Item 7, the reserve pit will be fenced on three sides during drilling and completion operations and will be rehabilitated to conform with the provisions of plans for surface restorations. In the event a disposal pit is required for producing this well, it will be completely fenced to protect livestock and wildlife.

### **5. LOCATION OF AND TYPE OF WATER SUPPLY**

A. Water required for drilling operations will be transported by truck over the existing and proposed access roads from Bonanza, Utah. No additional roads or pipelines will be required.

B. No water well will be drilled on the location site or lease.

## **6. SOURCE OF CONSTRUCTION MATERIALS**

Construction materials will be obtained from Federal lands.

The proposed access road under Item 2 will be crossing Federal lands.

## **7. METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet.

A reserve pit will be constructed.

A. The reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground.

B. One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, produced fluids, etc.

C. If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

D. The pits will have overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

E. At the onset of drilling this reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

F. When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

G. Garbage and other waste materials will be contained in an enclosed wire mesh trash bin on the location and hauled to the nearest sanitary fill as necessary.

H. A portable chemical toilet will be supplied for human waste.

## **8. ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

## **9. WELL SITE LAYOUT**

See Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

#### **10. PLANS FOR RESTORATION OF SURFACE**

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. See Location Layout Sheet and Item #9. When all drilling production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 5' of cover.

As mentioned in Item #7, the reserve pit will be completely fenced and wired and overhead wire and flagging installed, if there is oil in the pits, and then allowed to completely dry before covering.

Any appreciable amount of oil will be removed from the reserve pit prior to restoration activities.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Item #7 and #10.

#### **11. OTHER INFORMATION**

##### **The Topography of the General Area (See Topographic Map "A")**

The area is a basin formed by the Blue Mountain Plateau and Green River to the North and the White River and Roan Plateau to the South.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstones, conglomerates, and shale deposits are extremely common to this area.

The surface area is used primarily for grazing domestic sheep and cattle.

The geologic structures of the area that are visible are of the Uintah Formation (Eocene Epoch) Tertiary Period in the upper elevation and the cobblestone and younger Alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges conglomerate deposits and shale are common in this area.

The topsoil in the area range from a light brownish-gray sandy clay (SM-ML) type soil poorly graded gravels to a clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and extremely heavy rain storms of long duration which are extremely rare as the normal annual rainfall in the area is only 8".

The White River to the South of this location is the only perennial stream that is affected by this location site.

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in. It consists of areas of sagebrush, rabbitbrush, some grasses and cacti as the primary flora. This is also true for the lower elevations.

The fauna of the area consists predominantly of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

#### The Topography of the Immediate Area (Topographic Map "B")

The location is on top of a small ridge which slopes to the Northeast.

The majority of the drainages in the area around this location run in a Northerly direction into Coyote Wash which is a tributary to the White River, and are non-perennial streams.

The terrain in the vicinity of the location slopes to the Northwest from the top of a small ridge through the location site at approximately a 2% grade into a small wash to the North.

The vegetation in the immediate area surrounding the location site is predominantly sagebrush and grasses. There are no occupied dwellings or other facilities of this nature in the general area. There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

**12. LESSEE'S OR OPERATOR'S REPRESENTATIVE**

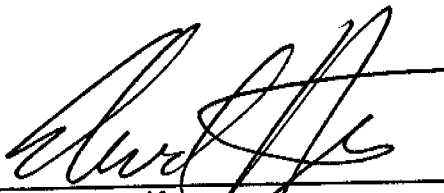
Jack Mercer  
P. O. Box 205  
Vernal, Utah 84078

(Home) 801-789-1842  
(Mobile) 801-789-6241

**13. CERTIFICATION**

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; that the work associated with the operations proposed herein will be performed by Dirty Devil, L.P. and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

DIRTY DEVIL, L.P.  
c/o EPS Resources Company

  
\_\_\_\_\_  
Edward Neibauer  
Petroleum Engineer

1/18/91  
Date

▲  
JAN 1991  
RECEIVED



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 853 Bountiful, Utah 84010  
Tel: (801) 292-7061, 292-9668

January 16, 1986

**Subject:** CULTURAL RESOURCE EXAMINATION OF FOUR  
PROPOSED WELL LOCATIONS IN THE BONANZA  
LOCALITY OF UINTAH COUNTY, UTAH

**Project:** EPS Resources Corporation - Dirty Devil Units  
No. 1-4, 1-5, 1-8 and 1-9

**Project No.:** EPSR-87-1

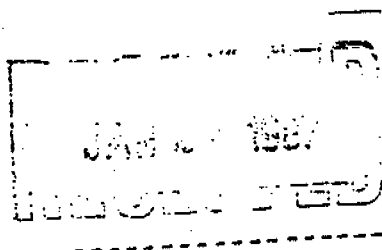
**Permit No.:** Utah State Number U-87-AF-4b  
Dept. of Interior Ut-86-54937

**To:** ✓ EPS Resources Corporation, 10200 E. Girard Ave.,  
Bldg. B, Suite 225, Denver, Colorado 80231

District Manager, Bureau of Land Management, 170  
South 500 East, Vernal, Utah 84078

**Info:** Mr. James Dykman, Preservation Section, Division  
of State History, 300 Rio Grande, Salt Lake City, Utah  
84101

Mr. Rich Fike, BLM State Archeologist, Bureau of  
Land Management, CFS Financial Center Bldg., 324 South  
State, Salt Lake City, Utah 84111-2303



Summary Report of  
Inspection for Cultural Resources

B O N A N Z A L O C A L I T Y W E L L U N I T S

1. Report Title 11 EPS Resources Units: Dirty Devil Nos. 1-4, 1-5,  
2. Development Company 1-8 and 1-9 86-UT-54937  
0 1 1 9 1 9 8 7  
3. Report Date 41 42 43 46 4. Antiquities Permit No. \_\_\_\_\_  
A E R C E P S R - 8 7 - 1 U I N T A H  
5. Responsible Institution 47 61 County \_\_\_\_\_  
6. Fieldwork 0 9 S 2 4 E 0 8 0 9  
Location: TWN . . . . . RNG . . . . . Section. . . . .  
62 65 66 69 70 71 72 73 74 75 76 77  
7. Resource 1 0 S 2 4 E 0 4 0 5  
Area TWN . . . . . RNG . . . . . Section. . . . .  
.B.C. 78 81 82 85 86 87 88 89 90 91 92 93  
110 111 TWN . . . . . RNG . . . . . Section. . . . .  
94 97 98 101 102 104 106 108

8. Description of Examination Procedures:

The archeologist, F.R. Hauck, walked a series of 15 to 20 meter wide transects within three of the four proposed well locations (1-4, 1-8 and 1-9). Unit 1-5 was not examined since it was situated in a 80 acre sample unit which had previously been intensively evaluated. A ten acre parcel was examined at Units 1-8 and 1-9 since the on-site inspection has not been held. Half of Unit 1-4 had previously been examined within an 80 acre sample area. For this reason, only the eastern half of this well location was evaluated during the current survey. Ten meter wide transects flanking the center line of the staked access roads were also examined. continued

9. Linear Miles Surveyed 1 . 7 5  
and/or 112 117  
Definable Acres Surveyed 118 123  
and/or 124 129  
Legally Undefinable 2 3  
Acres Surveyed 124 129  
10. Inventory Type I  
R = Reconnaissance  
I = Intensive  
S = Statistical Sample

11. Description of Findings:

No cultural sites of any historic or prehistoric period were found during the evaluations at these locations.

12. Number

Sites Found .0. . . . .  
(No sites = 0) 131 135

13. Collection: .N.  
Y = Yes, N = No) 136

14. Actual/Potential National Register Properties Affected:

The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed developments.

15. Literature Search, Location/ Date: Utah SHPO - 1-87

Vernal District BLM Office - 1-8-87

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to EPS Resources Corporation based upon adherence to the following stipulations: (see reverse)

17. Signature of Administrator & Field  
& Field Supervisor

Administrator

Field

Supervisor

8. continued:

Projects conducted in the operational area include the Seep Ridge Sampling study reported in 1981 by Larrald and Chandler, and several studies conducted by Nickens & Associates on the Moon Lake Project, i.e., "Known Cultural Resource Data Compilations for the Proposed Transmission Line Corridor for the Moon Lake Project" dated 1979, and the companion work "Archaeological Investigation of the Coal Development Areas and Coal Transportation Corridor for the Moon Lake Project, Rio Blanco County, Colorado and Uintah County, Utah".

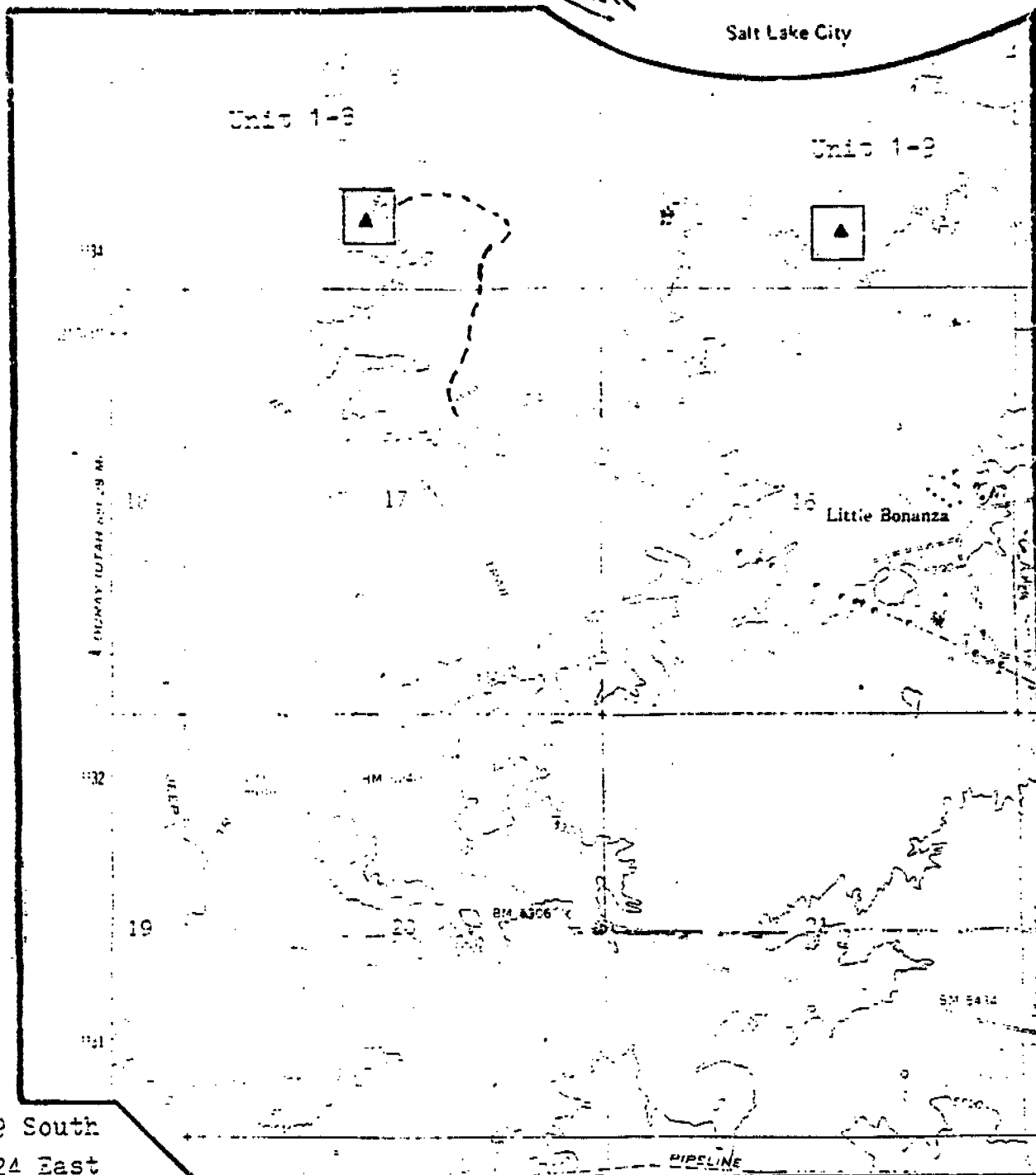
16. continued:

1. All vehicular traffic, personnel movement, and construction should be confined to the locations examined as referenced in this report, and to the existing roadways and/or evaluated access routes.

2. All personnel should refrain from collecting artifacts and from disturbing any cultural resources in the area.

3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the construction area.

Salt Lake City



T. 9 South

R. 24 East

Meridian: Salt Lake E. & M.

Quad:

Bonanza, Utah

7.5 minute-USGS

Project: EP3R-87-1

Series: Uinta Basin

Date: 1-15-87

MAP 1

Cultural Resource Survey  
of Dirty Devil Units 1-8  
and 1-9 in the Bonanza  
Area of Uintah County

Legend:

Well Location

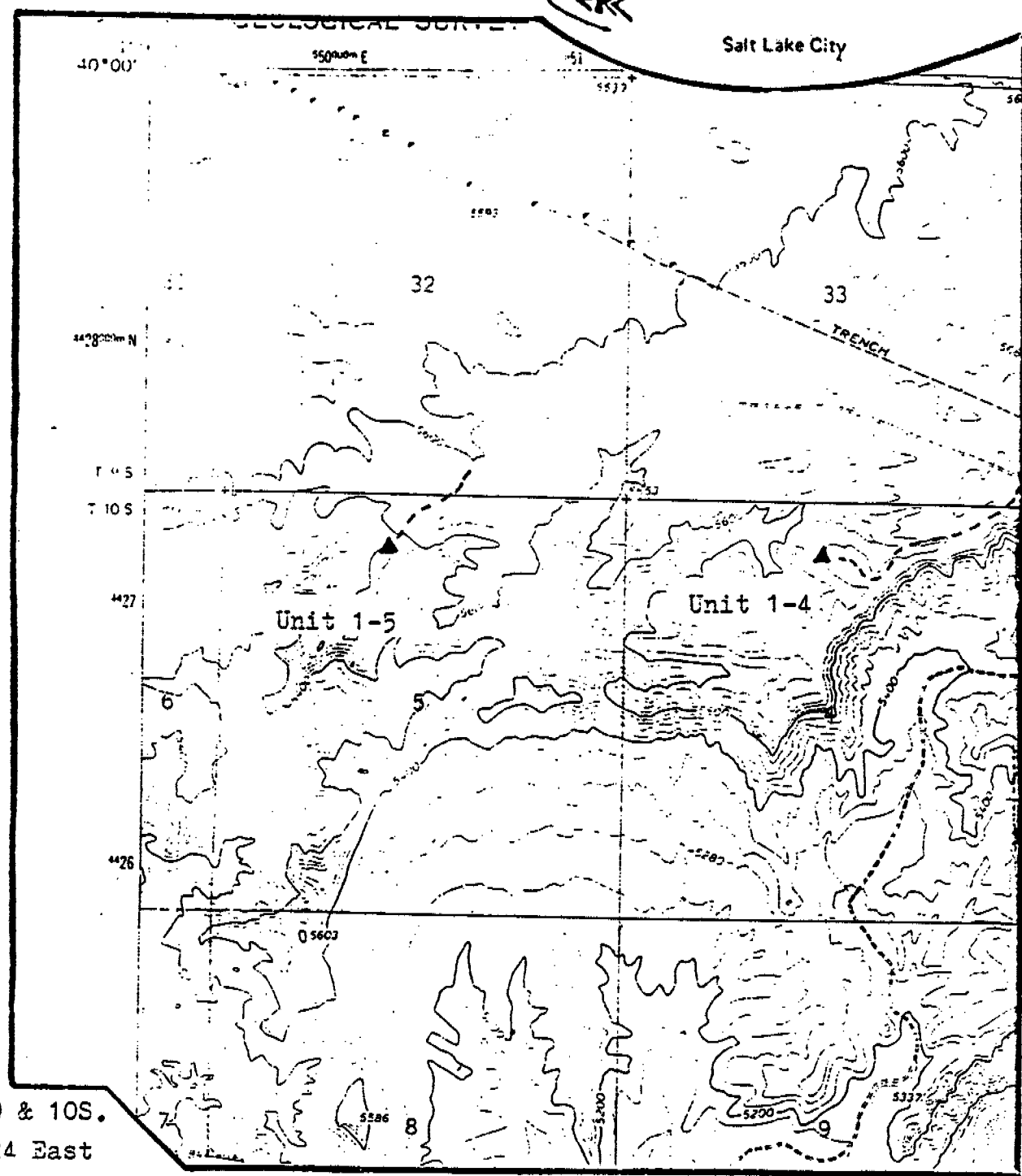
Ten Acre Survey  
Area

Access Route



2.64" = 1 mile

Scale



T. 9 & 10S.  
R. 24 East

Meridian: Salt Lake E. & M.

Quad:

Project: EFSPR-87-1  
Series: Uinta Basin  
Date: 1-15-87

MAP 2  
Cultural Resource Survey  
of Dirty Devil Units 1-4  
and 1-5 in the Bonanza  
Area of Uintah County

Southam Canyon,  
Utah  
7.5 minute-USGS



Legend:

Well Location ▲  
Access Route - - -



2.64" = 1 mile  
Scale

**DIRTY DEVIL UNIT WELL #1-B  
PROPOSED LOCATION**

TOPO.

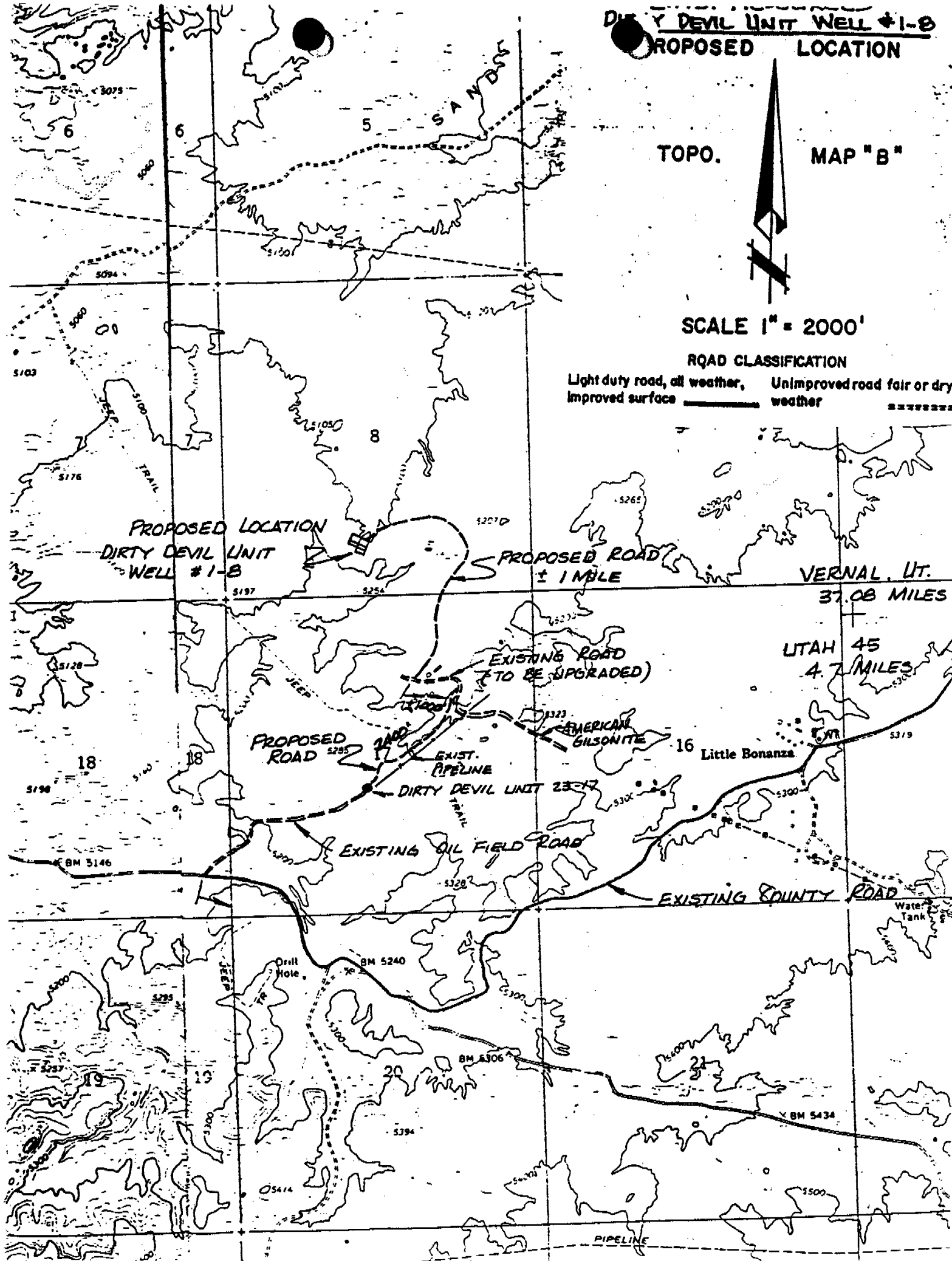
MAP "B"

SCALE 1" = 2000'

**ROAD CLASSIFICATION**

Light duty road, all weather, Improved surface      Unimproved road fair or dry weather

=====



Proposed Location:  
DIRTY DEVIL UNIT WELL #1-8

PROPOSED ACCESS  
ROAD  $\pm 1.4$  MI.

EXISTING WELL LOCATION  
EPS DIRTY DEVIL 1-9

EXISTING ROAD  
 $\pm 0.8$  MI.

Little Bonanza

BONANZA  
 $\pm 3.5$  MI.

TOPOGRAPHIC  
MAP "B"

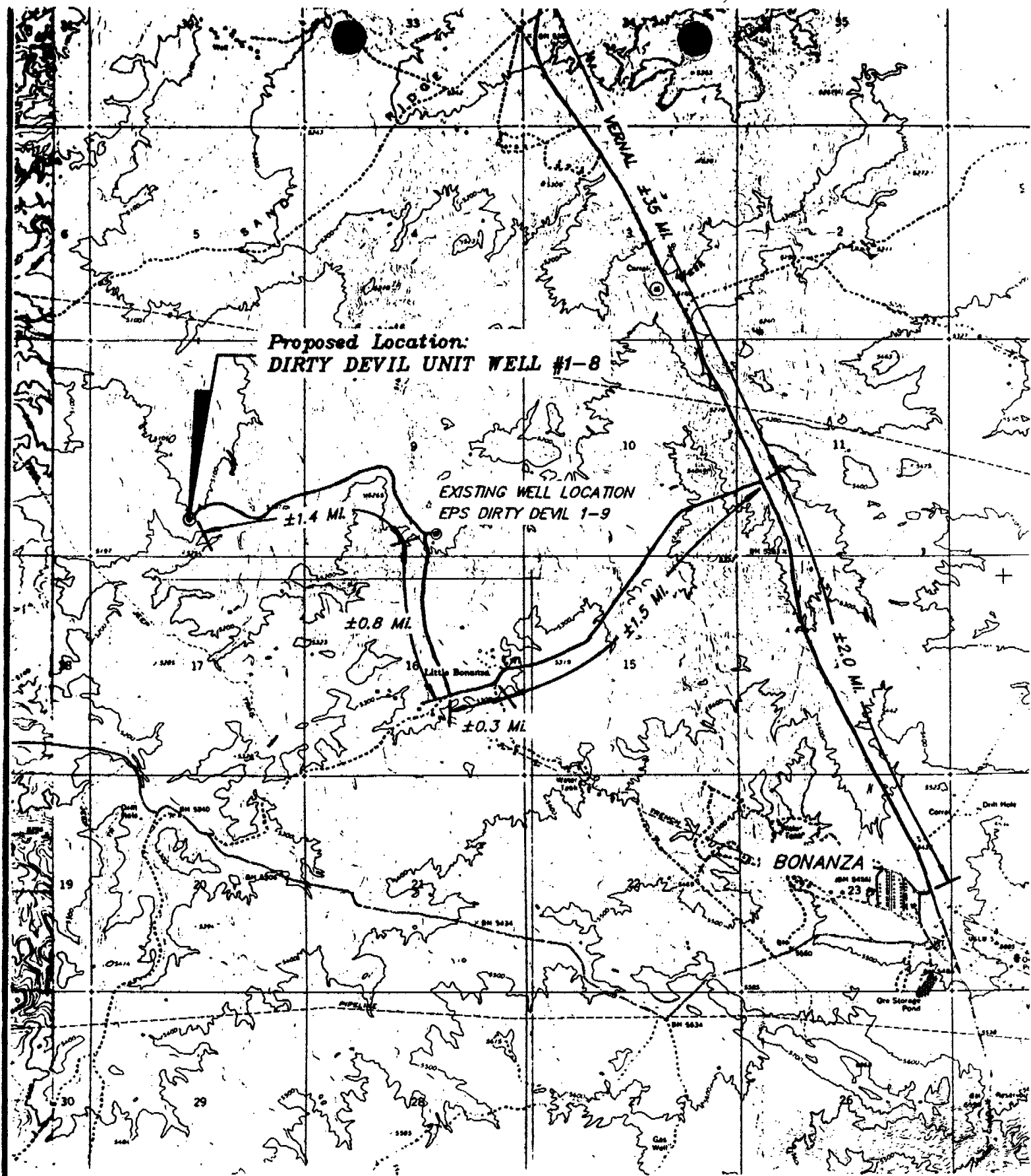
SCALE: 1" = 2000'

DATE: 5-24-90



EPS RESOURCES

DIRTY DEVIL UNIT WELL #1-8  
SECTION 8, T9S, R24E, S.L.B.&M.



TOPOGRAPHIC  
 MAP "A"

DATE: 5-24-90

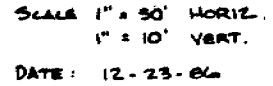
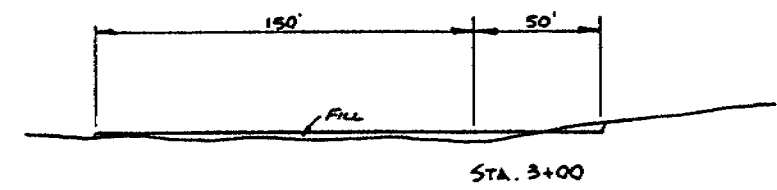
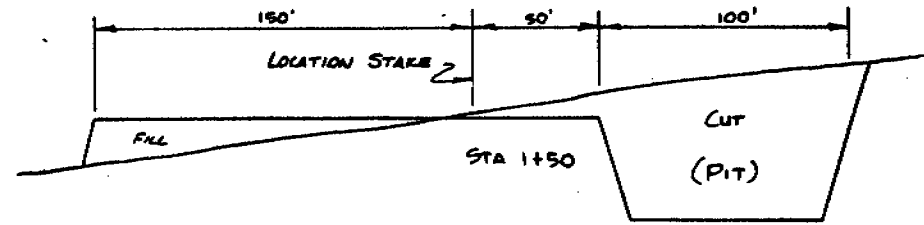
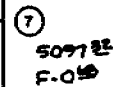


EPS RESOURCES

DIRTY DEVIL UNIT WELL #1-8  
 SECTION 8, T9S, R24E, S.L.B.&M.

(A) 5111.02  
C-21.02 BOTTOM PIT

(B) 5102.42  
C-12.42 BOTTOM PIT



Cu. Yds. Cut - 10,341  
Cu. Yds. Fill - 2,053

E.P.S. RESOURCES  
DIRTY DEVIL UNIT WELL #1-8  
PROPOSED LOCATION

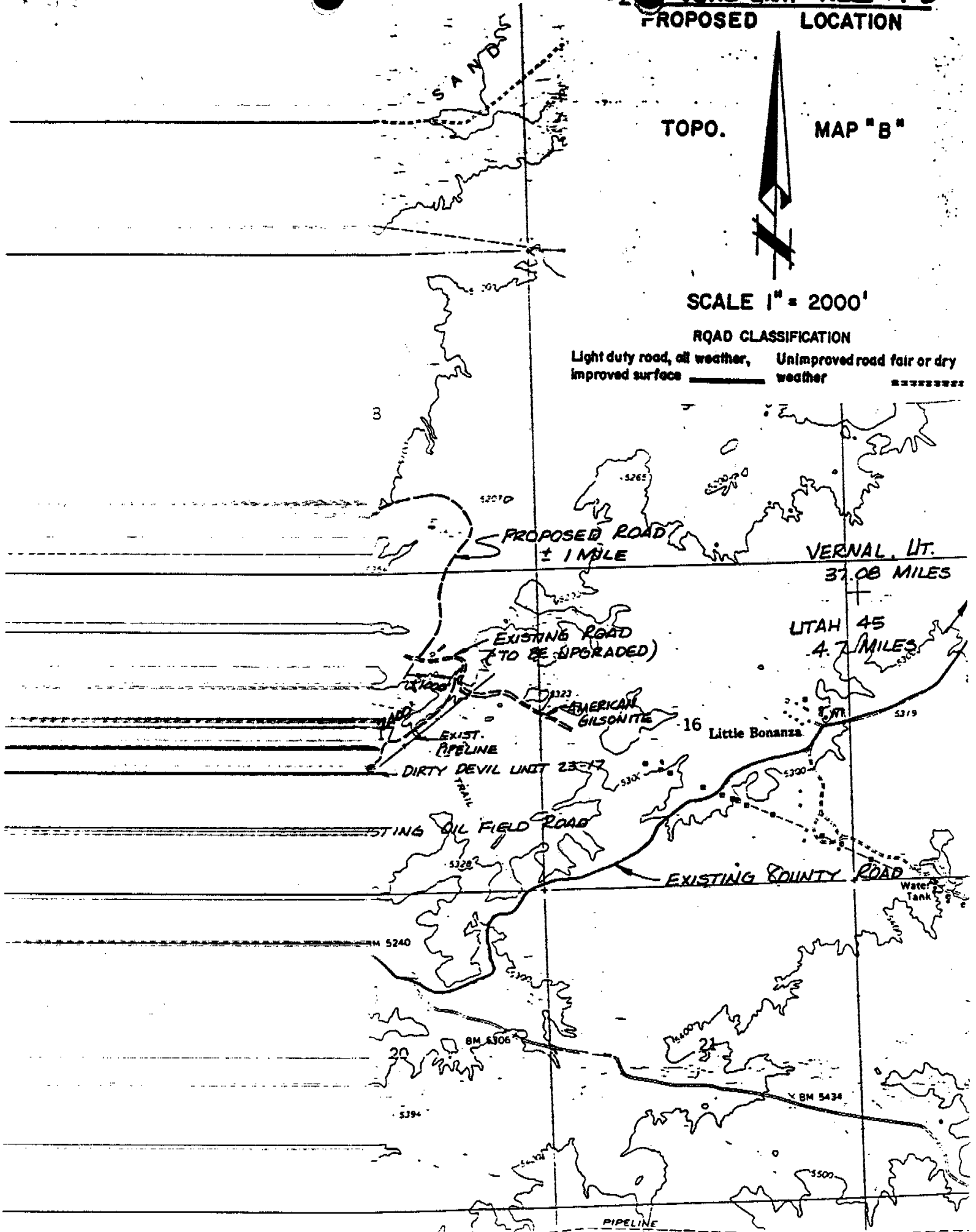
TOPO.

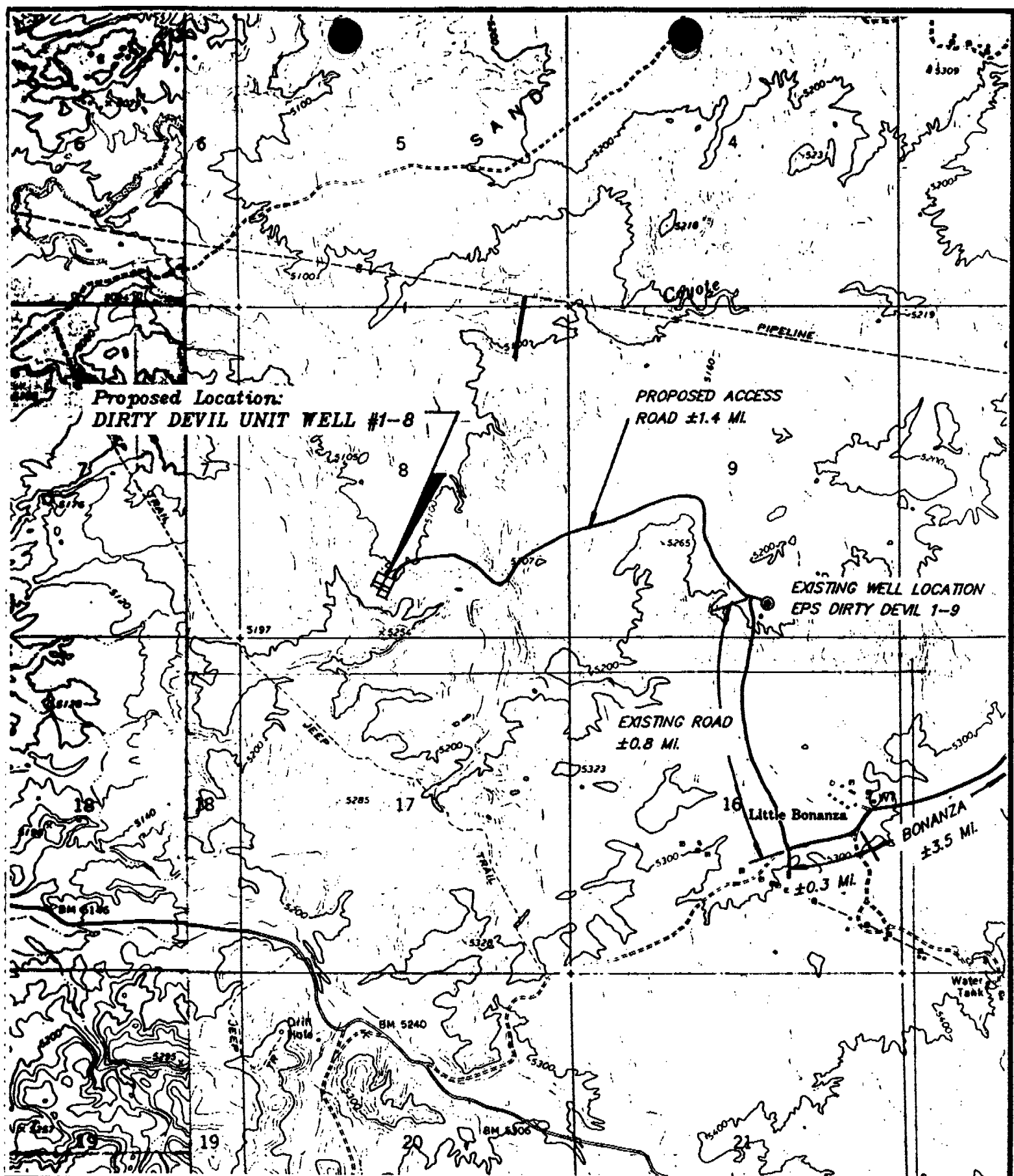
MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION

Light duty road, all weather, improved surface  
Unimproved road fair or dry weather





TOPOGRAPHIC  
MAP "B"

SCALE: 1" = 2000'

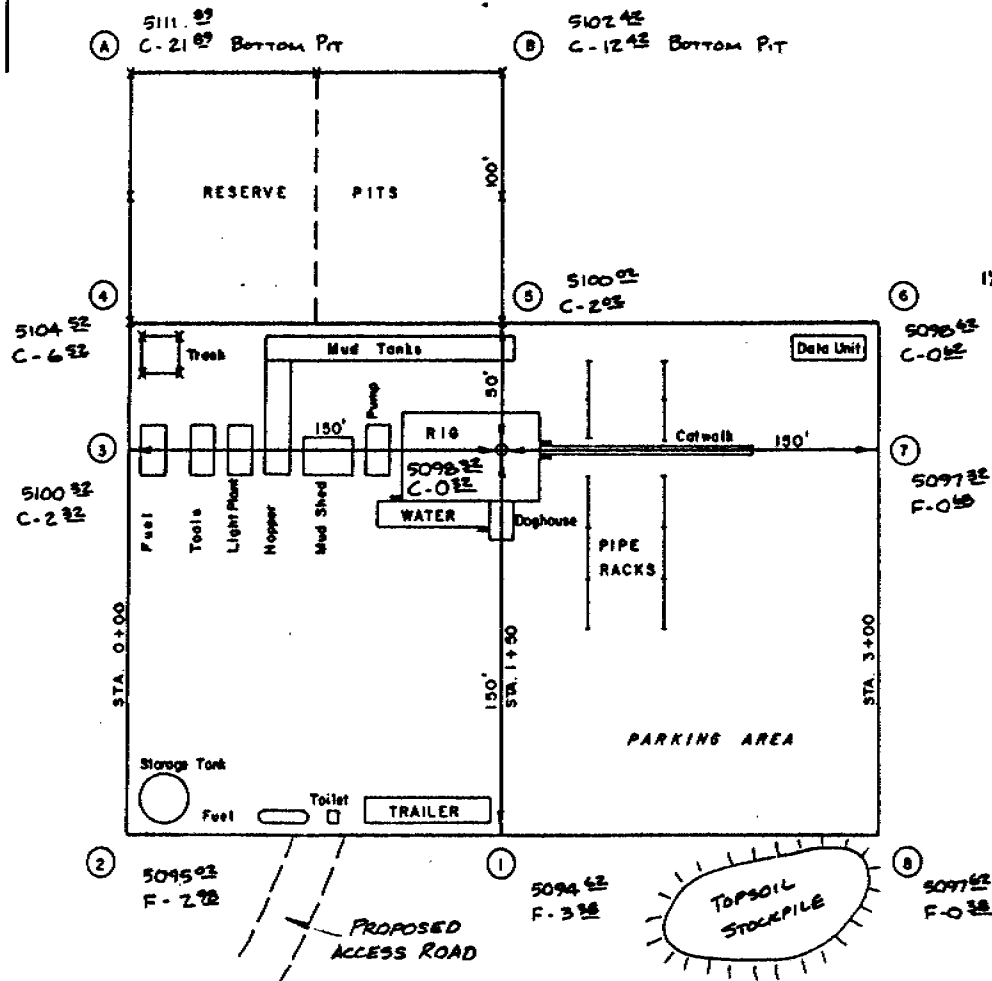
DATE: 5-24-90



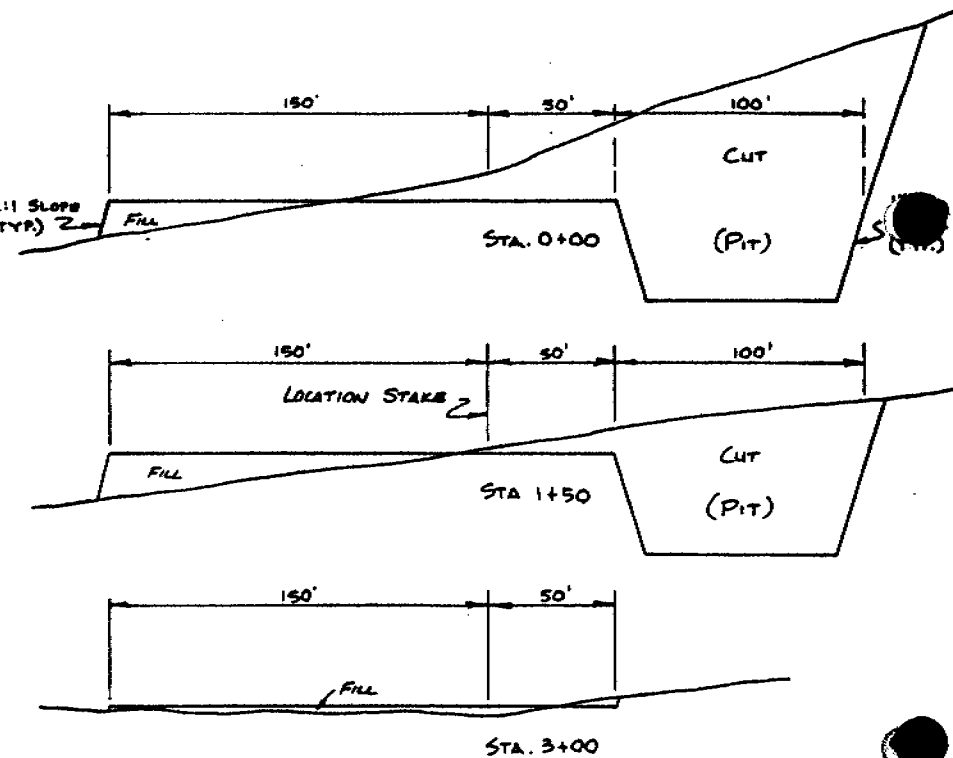
EPS RESOURCES

DIRTY DEVIL UNIT WELL #1-8  
SECTION 8, T9S, R24E, S.L.B.&M.

# EPS RESOURCES DIRTY DEVIL UNIT WELL # 1-B

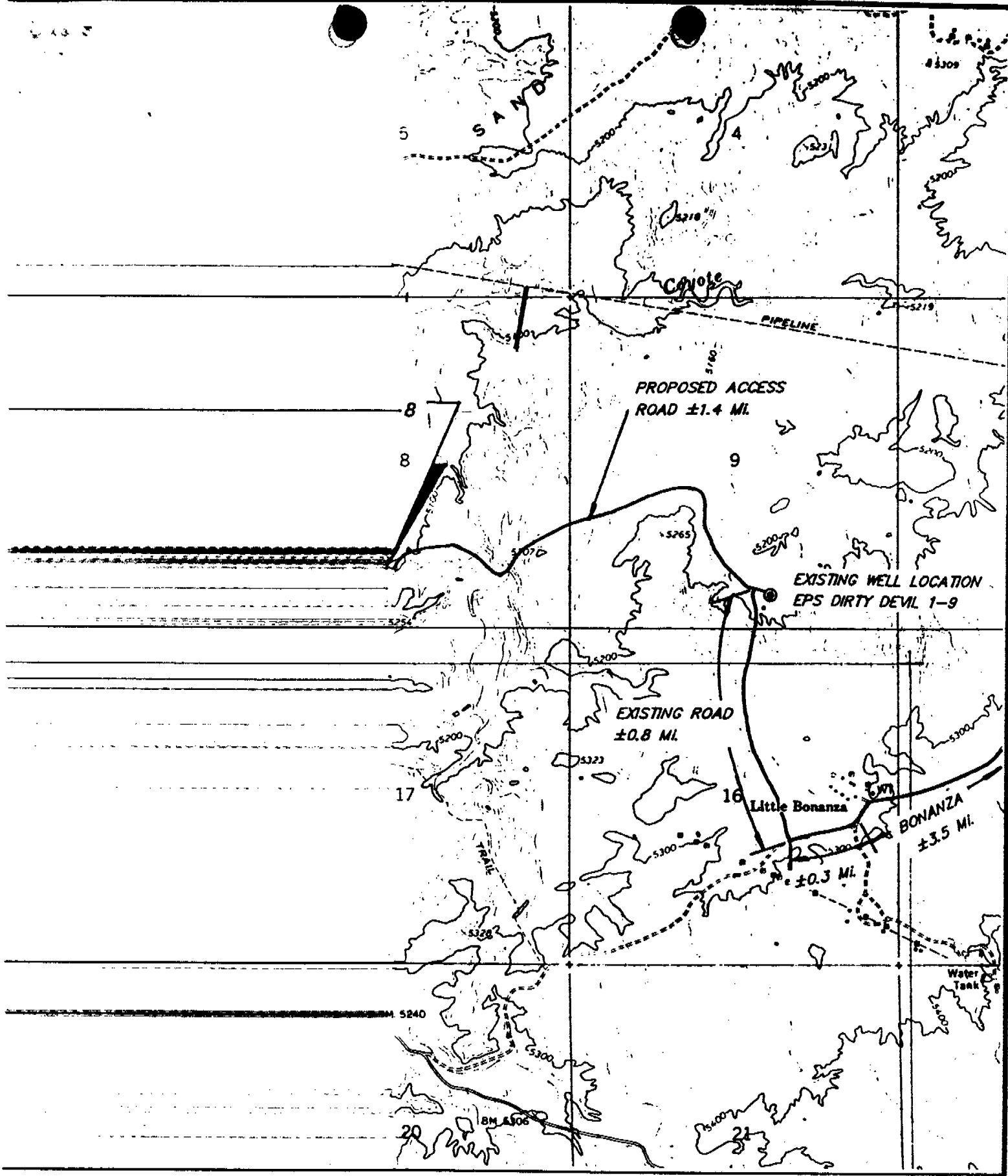


SCALE 1" = 30' HORIZ.  
1" = 10' VERT.  
DATE: 12-23-86



Cu. Yds. Cut - 10,341

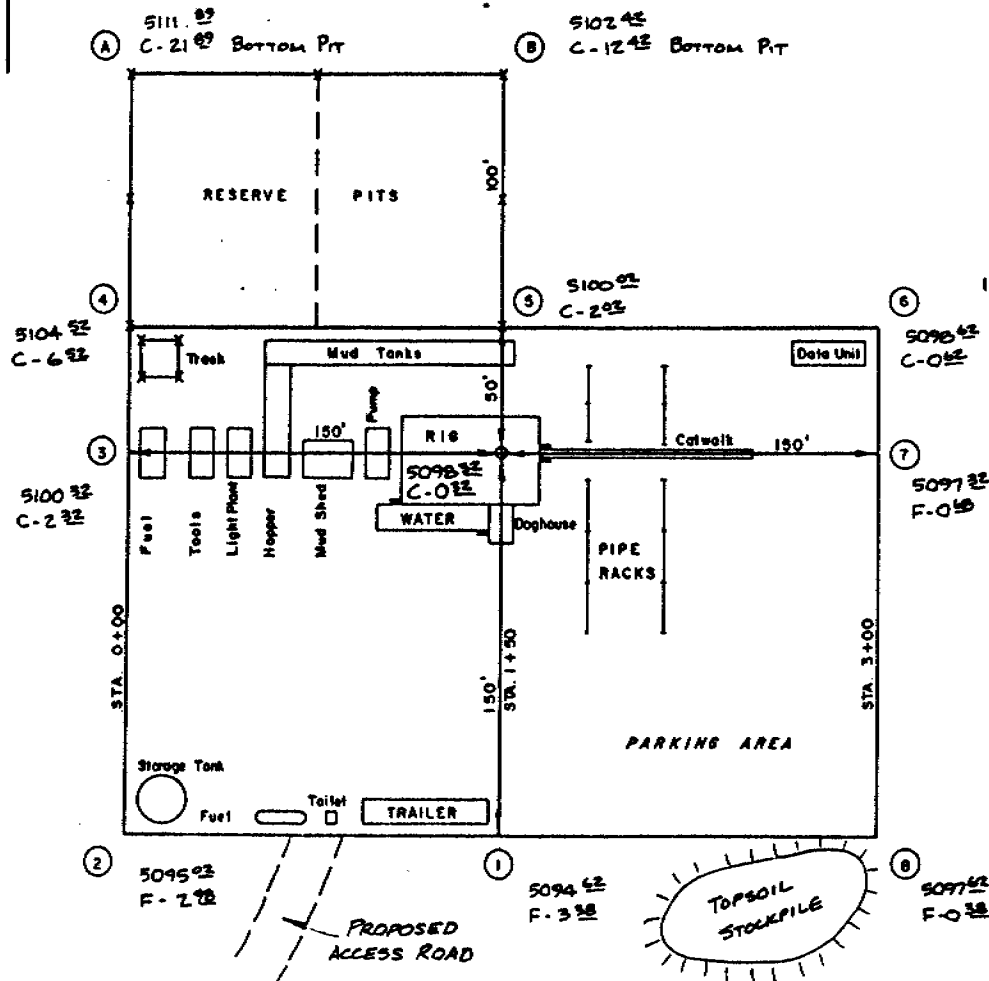
Cu. Yds. Fill - 2,053



### EPS RESOURCES

DIRTY DEVIL UNIT WELL #1-8  
SECTION 8, T9S, R24E, S.L.B.&M.

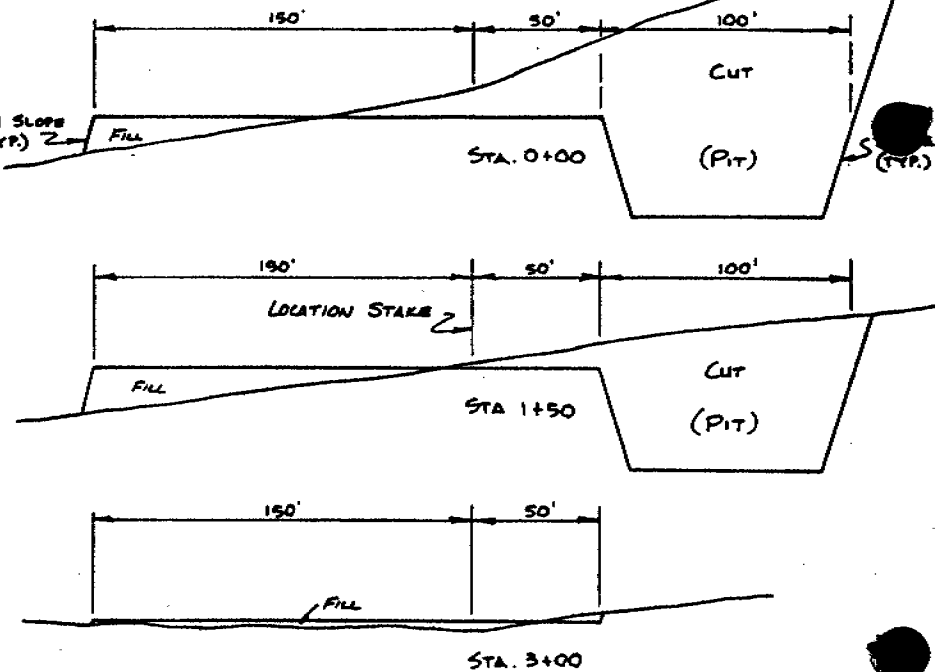
# EPS RESOURCES DIRTY DEVIL UNIT WELL # 1-B



SCALE 1" = 50' HORIZ.  
1" = 10' VERT.

DATE: 12-23-86

1 1/2:1 Slope  
(TYP) 2



1" = 10'

Scales

1" = 50'

APPROXIMATE YARDAGES

Cu. Yds. Cut - 10,341

Cu. Yds. Fill - 2,053

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

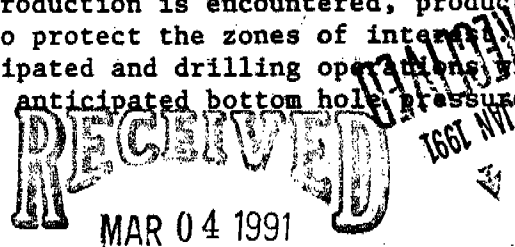
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|  |  |  |  |  |
|--|--|--|--|--|
| 1A. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>   |  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>U-59150                                       |  |
| b. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>               |  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME   |  |
| 2. NAME OF OPERATOR<br>EPS RESOURCES CORPORATION   |  |  | 7. UNIT AGREEMENT NAME<br>Dirty Devil Unit   |  |
| 3. ADDRESS OF OPERATOR<br>5655 S. Yosemite, Suite 460, Englewood, Colorado 80111   |  |  | 8. FARM OR LEASE NAME<br>Federal   |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)<br>At surface<br>821' FSL 2282' FWL SE $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 8, T9S-R24E, S.L.B. & M.<br>At proposed prod. zone |  |  | 9. WELL NO.<br>1-8   |  |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>35 Miles SE of Vernal, Utah   |  |  | 10. FIELD AND POOL, OR WILDCAT<br>Bonanza  |  |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)<br>821  |  |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Section 8, T9S-R24E, S.L.B. & M. |  |
| 16. NO. OF ACRES IN LEASE<br>1600+   |  |  | 12. COUNTY OR PARISH<br>Uintah   |  |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL<br>160  |  |  | 13. STATE<br>Utah  |  |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.<br>1 Mile  |  |  | 19. PROPOSED DEPTH<br>8000'  |  |
| 20. ROTARY OR CABLE TOOLS<br>Rotary  |  |  | 21. APPROX. DATE WORK WILL START*<br>Upon Receipt of Approval                        |  |
| 22. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>GR 5098' (Upgraded) 5112' KB Estimated   |  |  |  |  |

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE        | SIZE OF CASING      | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT                        |
|---------------------|---------------------|-----------------|---------------|---|
| 17- $\frac{1}{2}$ " | 13- $\frac{3}{8}$ " | 48.0#           | 150'          | 200 SX                                    |
| 12- $\frac{1}{4}$ " | 9- $\frac{5}{8}$ "  | 36.0#           | 2800'         | 300 SX                                    |
| 7- $\frac{7}{8}$ "  | 4- $\frac{1}{2}$ "  | 11.6#           | 8000'         | As needed to protect all productive zones |

Operator proposes to drill a Mesaverde Test estimated to 8000'. Intermediate casing will be run and cemented to protect the oil shale section of the Green River Formation. All water flows and significant hydrocarbon shows will be reported. The well will be drilled according to the attached program. Adequate BOP equipment will be maintained at all times. If commercial production is encountered, production casing will be run and cemented adequately to protect the zones of interest. No abnormal pressures or temperatures are anticipated and drilling operations will continue for 16 days upon commencement. The anticipated bottom hole pressure (static) will be approximately 2000 psi.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface location and measured and true vertical depths. Give blowout preventer program, if any.

|  |  |  |                              |
|--|--|--|------------------------------|
| 24. SIGNED <u>Edward Neibauer</u>            |  | TITLE <u>Petroleum Engineer</u>                  | DATE <u>January 16, 1991</u> |
| (This space for Federal or State office use) |  |  |                              |
| PERMIT NO. _____                             |  | APPROVAL DATE <u>MAR 1 1991</u>                  |                              |
| APPROVED BY <u>[Signature]</u>               |  | TITLE <u>ASSISTANT DISTRICT MANAGER MINERALS</u> |                              |
| CONDITIONS OF APPROVAL, IF ANY:              |  |  |                              |

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

4080-1M34

**CONDITIONS OF APPROVAL  
FOR APPLICATION FOR PERMIT TO DRILL**

**Company/Operator:** EPS Resources Corp.

**Well Name & Number:** Dirty Devil 1-8

**Lease Number:** U-59150

**Location:** SESW Sec.8, T.9S., R.24E.

**Surface Ownership:** BLM

**NOTIFICATION REQUIREMENTS**

- Location Construction** - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion** - prior to moving on the drilling rig.
- Spud Notice** - at least twenty-four (24) hours prior to spudding the well
- Casing String and Cementing** - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests** - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice** - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.**

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company EPS Resources Corporation Well No. Dirty Devil 1-8  
Location SE/SW, Section 8, T9S., R24E. Lease No. U-59150

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed.

The Vernal District Office shall be notified, at least twenty-four (24) hours prior to initiating pressure tests, in order to have a BLM representative on location during pressure testing.

#### 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

Usable water maybe encountered from the surface to + 1,160 ft in the Uinta Formation and + 1,160 - 2,100 ft in the Green River Formation. The Mahogany Oil Shale and the L1 Oil Shale have been identified from + 2,010 - 2,140 ft and + 2,200 - 2,300 ft, respectively. Also, gilsonite may be encountered in the shallow subsurface. Therefore, as a minimum, the resources shall be isolated and/or protected via the cementing program by cementing the intermediate casing to surface and by having a cement top for the production casing at least 200 ft above the shallowest potential productive interval.

The Vernal District Office shall be notified at least twenty-four (24) hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

#### 4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

#### 5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the Authorized Officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the Authorized Officer (AO).

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) for the production casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

## 6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified during regular work hours (7:45 a.m. - 4:30 p.m., Monday through Friday, except holidays), at least twenty-four (24) hours PRIOR to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of thirty (30) days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the AO. Should gas be vented or flared without

approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram, as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4, shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations, as specified in Onshore Oil and Gas Order No. 3, shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his/her representative or the appropriate Surface Managing Agency.

#### 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

|   |                |
|---|----------------|
| Gerald E. Kenczka<br>Petroleum Engineer | (801) 781-1190 |
|---|----------------|

|                                  |                |
|----------------------------------|----------------|
| Ed Forsman<br>Petroleum Engineer | (801) 789-7077 |
|----------------------------------|----------------|

|                 |                |
|-----------------|----------------|
| BLM FAX Machine | (801) 789-3634 |
|-----------------|----------------|

## **EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES**

While the following wastes are nonexempt, they are not necessarily hazardous:

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids.

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt wastes.

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation, and miscellaneous solids

B. SURFACE USE PROGRAM:

1. Existing Roads

All travel will be confined to existing access road rights-of-way.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

2. Location of Existing and/or Proposed Facilities

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted with-in 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Desert Brown.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

3. Methods for Handling Waste Disposal

On BLM administered lands:

The reserve pit shall be constructed so as not to leak, break, or allow discharge.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

4. Well Site Layout

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a. 39-inch net wire shall be used with at least one strand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- b. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

#### 5. Plans for Restoration of Surface

##### a. Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within ninety (90) days from the date of well completion. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.

Contact appropriate surface management agency for required seed mixture.

##### b. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

**6. Other Additional Information**

- a. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- b. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- c. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

Additional Surface Stipulations

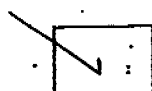
- No construction or drilling activities shall be conducted between May 15, and June 20, because the well is within a crucial antelope kidding area.

OPERATOR Valley Operating Inc. 1-8 TO DATE 5-19-91  
WELL NAME Duty Drill Federal 1-8  
SEC SESW 8 T 9S R 04E COUNTY Utah

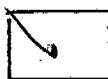
43-047-30035  
API NUMBER

Federal (1)  
TYPE OF LEASE

CHECK OFF:



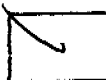
PLAT.



BOND



NEAREST  
WELL



LEASE



FIELD  
SLAM



POTASH OR  
OIL SHALE

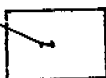
PROCESSING COMMENTS:

unit well approved by BLM March 1, 1991

water permit needed

APPROVAL LETTER:

SPACING:

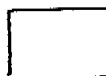


R615-2-3

Duty Drill  
UNIT



R615-3-2



N/A  
CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

1- water permit



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertor

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

May 29, 1991

Valley Operating, Inc.  
745 Gilpin Street  
Denver, Colorado 80218-3633

Gentlemen:

Re: Dirty Devil Federal 1-8 Well, 821 feet from the South line, 2282 feet from the West line, SE SW, Section 8, Township 9 South, Range 24 East, Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Code Ann. Section 40-6-18, et seq. (1953, as amended), and Utah Admin. R.615-2-3, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.

In addition, the following actions are necessary to fully comply with this approval:


1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2  
Valley Operating  
Dirty Devil Federal 1-8  
May 29, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-32035.

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Fifth", written over a printed name.

R. J. Fifth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
J. L. Thompson  
we14/1-14

Bureau of Land Management  
Branch of Fluid Minerals (U-922)  
324 South State Street  
Salt Lake City, Utah 84111-2303

March 28, 1991

Valley Operating, Inc.  
745 Gilpin Street  
Denver, Colorado 80218

RE: Dirty Devil Unit  
Uintah County, Utah

Gentlemen:

We received an indenture dated March 8, 1991, whereby EPS Resources Corporation resigned as Operator and Valley Operating, Inc. was designated as Operator for the Dirty Devil Unit, Uintah County, Utah.

This indenture was executed by all required parties. The signatory parties have complied with Section 6 of the unit agreement. The instrument is hereby accepted effective as of March 28, 1991. Please advise all interested parties of the change in unit operator.

Pursuant to regulations issued and effective June 17, 1988, all operations within the Dirty Devil Unit will be covered by your statewide (Utah) oil and gas bond No. 0832.

Sincerely,

Orig. Sgd: J.A. Fouts

*for* Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Division of Lands and Mineral Operations U-942  
File - Dirty Devil Unit (w/enclosure)  
MMS - Reference Data Branch  
Agr. Sec. Chron

U-922:TAThompson:tt:03-28-91

**RECEIVED**

APR 01 1991

DIVISION OF  
OIL GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

43-047-30035

NAME OF COMPANY: VALLEY OPERATING

WELL NAME: DIRTY DEVIL FEDERAL #1-8

SECTION SESW 8 TOWNSHIP 9S RANGE 24E COUNTY UINTAH

DRILLING CONTRACTOR LEON ROSS

RIG #                     

SPUDDED: DATE 8-14-91

TIME 2:00 p.m.

HOW RATHOLE

DRILLING WILL COMMENCE 1 week

REPORTED BY DOUG PITENGAL

TELEPHONE # 823-6135

DATE 8-15-91 SIGNED TAS/SBH

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR VALLEY OPERATING, INC.

OPERATOR ACCT. NO. N 8270

ADDRESS 745 GILBIN STREET

DENVER, CO, 80218-3633

(303) 355-3242

| ACTION CODE   | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER   | WELL NAME           | WELL LOCATION |    |    |     |        | SPUD DATE | EFFECTIVE DATE |
|---|--------------------|----------------|--------------|---------------------|---------------|----|----|-----|--------|-----------|----------------|
|   |                    |                |              |                     | QQ            | SC | TP | RG  | COUNTY |           |                |
| B   | 99999              | 06200          | 43-047-32035 | DIRTY DEVIL FED 1-8 | SESW          | 8  | 9S | 24E | UINTAH | 8-14-91   |                |
| WELL 1 COMMENTS: <i>Federal-Lease Prop.Zone-MVPD</i><br><i>Field-Undesignated (Entity added 11-26-91 per DoGM review) JR</i><br><i>Unit-Dirty Devil</i> |                    |                |              |                     |               |    |    |     |        |           |                |
|   |                    |                |              |                     |               |    |    |     |        |           |                |
| WELL 2 COMMENTS:  |                    |                |              |                     |               |    |    |     |        |           |                |
|   |                    |                |              |                     |               |    |    |     |        |           |                |
| WELL 3 COMMENTS:  |                    |                |              |                     |               |    |    |     |        |           |                |
|   |                    |                |              |                     |               |    |    |     |        |           |                |
| WELL 4 COMMENTS:  |                    |                |              |                     |               |    |    |     |        |           |                |
|   |                    |                |              |                     |               |    |    |     |        |           |                |
| WELL 5 COMMENTS:  |                    |                |              |                     |               |    |    |     |        |           |                |

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. ROMERO (DOGM)

Signature

ADMIN. ANALYST

11-26-91

Title

Date

Phone No. ( )



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

February 11, 1993

Valley Operating, Inc.  
745 Gilpin Street  
Denver, Colorado 80218-3633

Gentlemen:

Re: Well Completion Report - Dirty Devil Federal 1-8 Well, Sec. 8, T. 9S, R. 24E, Uintah County, Utah, API No. 43-047-32035

Utah Admin. R649-3-21, the Utah Oil and Gas Conservation General Rules, requires that within 30 days after the completion of any well drilled or redrilled for the production of oil or gas, Well Completion or Recompletion Report and Log, Form 8, and copies of the electric and radioactivity logs, if run, shall be filed with the division. Utah Admin. R649-8-9 adds that Form 8 and accompanying logs shall be submitted within 30 days after recompleting a well or plugging a newly drilled well.

Our records indicate that the Well Completion Report for the referenced well has not been received. Enclosed is a copy of Form 8 for your use in promptly submitting this report. If you have questions regarding the completion of the form, please feel free to call Debra Eatchel at the above number.

Sincerely,

Don Staley  
Administrative Manager  
Oil and Gas

Idc  
Enclosure  
cc: R.J. Firth  
D.M. Eatchel  
Well file

WO11

92BC-1P

Form 3160-5  
(December 1989)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Valley Operating, Inc.

3. Address and Telephone No.  
745 Gilpin Street, Denver, Colorado 80218

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SESW Sec. 8 T9S R24E

5. Lease Designation and Serial No.  
U-59150

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
Dirty Devil Unit

8. Well Name and No.  
Federal #1-8

9. API Well No.  
043-047-31051

10. Field and Pool, or Exploratory Area  
Bonanza

11. County or Parish, State  
Uinta Co, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                  |  |
|---|---|--|
| <input type="checkbox"/> Notice of Intent             | <input checked="" type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans         |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion           | <input type="checkbox"/> New Construction        |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Plugging Back          | <input type="checkbox"/> Non-Routine Fracturing  |
|   | <input type="checkbox"/> Casing Repair          | <input type="checkbox"/> Water Shut-Off          |
|   | <input type="checkbox"/> Altering Casing        | <input type="checkbox"/> Conversion to Injection |
|   | <input type="checkbox"/> Other                  |  |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See Final Report Attached

GER S.G.  
YERNAL DIST.  
ENG. 3221 10-31-91  
GEOL.  
E.S. 322 11-4-91  
PET. 11-1-91  
A.M.

RECEIVED  
AUG 24 1993  
DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Vice President Date 10-21-91

(This space for Federal or State office use)

Approved by [Signature] Title ASSISTANT DISTRICT MANAGER MINERALS Date NOV 05 1991

Conditions of approval, if any:

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

## ROUTING AND TRANSMITTAL SLIP

Date

8/23/93

TO: (Name, office symbol, room number,  
building, Agency/Post)

Initials

Date

1.

2.

3.

4.

5.

|              |                      |                  |
|--------------|----------------------|------------------|
| Action       | File                 | Note and Return  |
| Approval     | For Clearance        | Per Conversation |
| As Requested | For Correction       | Prepare Reply    |
| Circulate    | For Your Information | See Me           |
| Comment      | Investigate          | Signature        |
| Coordination | Justify              |                  |

## REMARKS

This is the last Sundry for  
the 1-8. ~~Nothing on the 1-9.~~

RECEIVED

AUG 24 1993

DIVISION OF  
OIL, GAS & MININGDO NOT use this form as a RECORD of approvals, concurrences, disposals,  
clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)

Room No.—Bldg.

Mergie - Vernal DO

Phone No.

789-1362

5041-102

OPTIONAL FORM 41 (Rev. 7-76)

Prescribed by GSA  
FPMR (41 CFR) 101-11.206

Federal 1-8

Dirty Devil Unit  
Uinta County, Utah

Sundry Notice - Drilling and Completion Report

Aug 14, 1991 Leon Ross Construction spudded 12 1/4" surface hole at 14:00 hrs. Drilled to 260', ran 6 jts 8 5/8" 24# K-55 ST&C to 255', cemented with 175 sx (206 cu ft) Class "G" containing 3% CaCl and 1/4#/sx flocele mixed at 15.6 ppg. Circulated 60 sx (71 cu ft) of cement to surface. Bumped plug with 1700 psig at 12:30 pm on Aug 16, 1991.

Aug 23, 1991 Move in rig up Chandler Rig #7; nipple up 8"x3000# double hydraulic BOP's choke manifold and rotating head; test BOP's, choke manifold and 8 5/8" surface casing to 2000# for 30 min using fresh water. Drill 7 7/8" hole to 368'.

Aug 24, 1991 Drill with air mist to 1286'/ Encountered gas at 520' (25' flair initially decreased to connection gas); water flow at 1080'.

Aug 25, 1991 Drill to 2070' using aerated water.

Aug 26, 1991 Drill to 3045' using water and aerated water.

Aug 27, 1991 Drill to TD of 3137' at 9:30 AM; ran FDC-CNL log from wireline of 3132' to 1450' and from 700' to 400'; ran DIL log from TD to surface; ran caliper log from TD to 8 5/8" casing shoe.

Aug 28, 1991 to Aug 30, 1991 Plan to plug back to complete in Uinta. Plugging orders per BLM:

- A. Spot 175 sx (206 cu ft) Class "G" cement plug containing 2% CaCl and 1/4# per sx flocele from 2500' to 1950'.
- B. Spot 125 sx (147 cu ft) Class "G" cement plug containing 3% CaCl and 1/4# per sx flocele from 1520' to 1262'.
- C. Spot 200 sx (236 cu ft) Class "G" cement plug containing 3% CaCl and 1/4# per sx flocele from 1000'.

Stuck 4" Drill Pipe; unable to pull free. Tag cement top inside drill pipe at 471'. Secure well with 10"x 3000# BOP's and 4" TIW valve. Move out rotary tools.

Sep 30, 1991 Drill out of 4" 14# drill pipe from 403' RKB to 775' RKB. Free point log indicated drill pipe 100% stuck at 565', 50% stuck at 558' and free at 534'. Backed off drill pipe at 528'; pulled and laid down same. Cement as follows: Spot 190sx (224 cu ft) Class "G" cement plug containing 2% CaCl from 515' to surface.

Oct 15, 1991 Cut off 8 5/8" casing 3' below ground level, top off casing with cement, install dry hole marker. Fence front side of reserve pit; P&A complete.

Well No. 1-8  
Lease No. U-59150

SUBSEQUENT REPORT OF ABANDONMENT  
CONDITIONS OF APPROVAL

1. The required seed mixture on the Dirty Devil 1-8 will be:

| <u>Seed</u>                            | <u>Lbs. per Acre</u> |
|--|----------------------|
| <u>Crested wheatgrass var. Hycrest</u> | <u>6</u>             |
| <u>Yellow sweetclover</u>              | <u>1</u>             |
| <u>Fourwing Saltbrush</u>              | <u>5</u>             |
| <u>Total lbs per acre 12</u>           |                      |

-If the seed is broadcast, the mixture will be double the lbs. per acre, and a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

- All seeding will be done from September 15 until the ground freezes. If you would like to seed in the spring, an inspection will have to be made of the site prior to seeding to determine if the conditions are right.

-If the seeding is unsuccessful, reseeding may be required.

2. The reclamation plan outlined in the approved APD will be adhered to. Valley Operating, Inc. will notify the Bureau of Land Management 7 days prior to beginning surface rehabilitation operations to discuss seeding methodology and to allow us time to schedule a field examination, if necessary.

3. You or your authorized representative should inspect the abandoned location prior to notification to this office by Form 3160-5 that the location is ready for final inspection, and note especially that:

A. The regulation dry-hole marker bears the correct information as required.

B. The rathole and mousehole are filled, not just bridged, and pits are filled and leveled.

C. All material and junk are gone. This includes deadmen protruding above ground.

D. Reseeding or other required rehabilitation work has been completed.



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

September 9, 1993

CERTIFIED RETURN RECEIPT REQUESTED  
P 074 975 314

Valley Operating, Inc.  
745 Gilpin Street  
Denver, Colorado 80218

Re: Dirty Devil Unit #1-8 Well, Section 8, Township 9 South, Range 24 East, Uintah County, Utah

Gentlemen:

By letter dated February 11, 1993, the Division of Oil, Gas and Mining ("Division") advised Valley Operating, Inc. ("Valley") of its non-compliance regarding the filing of a Well Completion Report for the referenced well. A recent records review indicates that Valley has failed to furnish the Division the required Well Completion Report.

Enclosed is a copy of Form 8, Well Completion or Recompletion Report and Log, for your use in promptly filing this report. The Division should receive this report within 5 working days after receipt of this letter by Valley. In the event Valley fails to comply with this request, the Division will immediately recommend to the Board of Oil, Gas and Mining ("Board") that Valley be issued an Order to Show Cause and be required to appear before the Board at its next regularly scheduled hearing.

Sincerely,

R.J. Firth  
Associate Director

ldc

Enclosure

cc: Don T. Staley  
Debra M. Eatchel  
Well file

WO1125

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

| WELL COMPLETION OR RECOMPLETION REPORT AND LOG   |                 |  |                         |  |            | 5. LEASE DESIGNATION AND SERIAL NO.<br>U-59150  |                |
|--|-----------------|--|-------------------------|--|------------|---|----------------|
| 1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____  |                 |  |                         |  |            | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  |                |
| b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____    |                 |  |                         |  |            | 7. UNIT AGREEMENT NAME<br>Dirty Devil Unit  |                |
| 2. NAME OF OPERATOR<br>Valley Operating Inc.   |                 |  |                         |  |            | 8. FARM OR LEASE NAME<br>Federal  |                |
| 3. ADDRESS OF OPERATOR<br>745 Gilpin Street, Denver, CO 80218  |                 |  |                         |  |            | 9. WELL NO.<br>1-8  |                |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)<br>At surface 821' FSL 2282' FWL SESW Sec 8 T9S, R24E<br>At top prod. interval reported below<br>At total depth Same     |                 |  |                         |  |            | 10. FIELD AND POOL, OR WILDCAT<br>Bonanza   |                |
| 11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA<br>Section 8<br>T9S - R24E  |                 |  |                         |  |            | 12. COUNTY<br>Utah  |                |
| 13. STATE<br>Utah  |                 |  |                         |  |            | 14. API NO.<br>4304732035   |                |
| 15. DATE SPUDDED<br>8-22-91  |                 |  |                         |  |            | 16. DATE T.D. REACHED<br>8-26-91  |                |
| 17. DATE COMPL. (Ready to prod.)<br>P&A 10-15-91 (Plug & Abd.)   |                 |  |                         |  |            | 18. ELEVATIONS (OF, BEH. RT. GR. ETC.)<br>GR 5098   |                |
| 19. ELEV. CASING HEAD  |                 |  |                         |  |            | 20. TOTAL DEPTH, MD & TVD<br>3137   |                |
| 21. PLUG BACK T.D., MD & TVD   |                 |  |                         |  |            | 22. IF MULTIPLE COMPL. HOW MANY   |                |
| 23. INTERVALS DRILLED BY<br>Chandler #2  |                 |  |                         |  |            | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)<br>Plugged and Abandoned |                |
| 25. WAS DIRECTIONAL SURVEY MADE<br>NO  |                 |  |                         |  |            | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>CND-DIL 10-1-93   |                |
| 27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis)<br>DRILL STEM TEST YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See coverage table) |                 |  |                         |  |            | 28. CASING RECORD (Report all strings set in well)  |                |
| CASING SIZE<br>8 5/8   |                 | WEIGHT, LB./FT.<br>24#   |                         | DEPTH SET (MD)<br>260  |            | MOLE SIZE<br>12 1/4   |                |
| CEMENTING RECORD<br>175SX  |                 | AMOUNT PULLED  |                         |  |            |   |                |
| 29. LINER RECORD   |                 |  |                         | 30. TUBING RECORD  |            |   |                |
| SIZE   | TOP (MD)        | BOTTOM (MD)  | BACKS CEMENT            | SCREEN (MD)  | SIZE       | DEPTH SET (MD)  | PACER SET (MD) |
|  |                 |  |                         |  |            |   |                |
| 31. PERFORATION RECORD (Interval, size and number)<br>None - Well Plugged  |                 |  |                         | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br>DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED |            |   |                |
|  |                 |  |                         |  |            |   |                |
|  |                 |  |                         |  |            |   |                |
|  |                 |  |                         |  |            |   |                |
| 33. PRODUCTION   |                 |  |                         |  |            |   |                |
| DATE FIRST PRODUCTION  |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |  |            | WELL STATUS (Producing or shut-in)  |                |
| DATE OF TEST   | HOURS TESTED    | CROCK SIZE   | PROD'N. FOR TEST PERIOD | OIL—BBL.   | GAS—MCF.   | WATER—BBL.  | GAS-OIL RATIO  |
| FLOW, TUBING PRESS.  | CASING PRESSURE | CALCULATED 24-HOUR RATE  | OIL—BBL.                | GAS—MCF.   | WATER—BBL. | OIL GRAVITY-API (CORR.)   |                |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)   |                 |  |                         |  |            | TEST WITNESSED BY   |                |
| 35. LIST OF ATTACHMENTS  |                 |  |                         |  |            |   |                |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  |                 |  |                         |  |            |   |                |
| SIGNED <u>D. L. Robinson</u>   |                 | TITLE <u>Vice President</u>  |                         |  |            | DATE <u>9/24/93</u>   |                |

See Spaces for Additional Data on Reverse Side

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

| 37. SUMMARY OF POROUS ZONES:  |     | 38. GEOLOGIC MARKERS |             |                      |
|---|-----|----------------------|-------------|----------------------|
| Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries. |     | Name                 | Meas. Depth | Top True Vert. Depth |
| Formation   | Top |                      |             |                      |
|   |     |                      |             |                      |

# Valley Operating, Inc.

Office: (303) 355-3242 Fax: (303) 377-9798

745 Gilpin Street  
Denver, Colorado 80218-3633

RECEIVED

OCT 1 1993

DIVISION OF  
OIL, GAS & MINING

September 24, 1993

Re: Well Completion Report  
Federal #1-8  
Sec 8, T9S, R24E  
Uintah County, Utah

State of Utah  
Department of Natural Resources  
Division of Oil and Gas  
355 West North Temple  
Suite #350  
Salt Lake City, Utah 84180-1203

Please find a Well Completion Report with logs.  
This well was plugged and abandoned in accordance with the rules of  
the Division of Oil and Gas.

Very Truly Yours

*F. Lee Robinson* 9/27

F. Lee Robinson  
Vice President

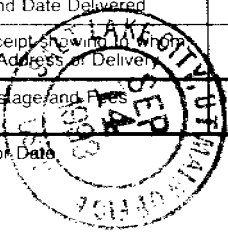
P 074 975 314

# RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED

NOT FOR INTERNATIONAL MAIL

(See Reverse)

|  |   |      |
|--|---|------|
| Sent to  | Valley Operating Inc.   |      |
| Street and No.   | 745 Gilpin Street   |      |
| R.O., State and ZIP Code                                     | Denver, CO 80218  |      |
| Postage  | \$  | 2.00 |
| Certified Fee  |   | 1.00 |
| Special Delivery Fee   |   |      |
| Restricted Delivery Fee                                      |   |      |
| Return Receipt showing to whom and Date Delivered            |   | 1.00 |
| Return Receipt showing to whom Date, and Address of Delivery |   |      |
| TOTAL Postage and Fees                                       |   | 6.22 |
| Postmark or Date   |  |      |

120/1 DME BOML

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS



**SENDER INSTRUCTIONS**

Print your name, address and ZIP Code in the space below.

- Complete Items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.



PENALTY FOR PRIVATE  
USE, \$300

RETURN  
TO



Print Sender's name, address, and ZIP Code in the space below.

STATE OF UTAH  
NATURAL RESOURCES  
OIL, GAS, & MINING  
3 TRIAD CENTER, SUITE 350  
SALT LAKE CITY, UTAH 84180-1203

LDC/DME DGM

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this from being returned to you. The return receipt fee will provide you the name of the person delivered and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:

Valley Operating Inc.  
745 Gilpin Street  
Denver, Colorado 80218

4. Article Number

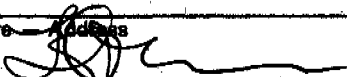
P 074975 315

Type of Service:

- ☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee

X 

6. Signature — Agent

X 

7. Date of Delivery

9-16-88

8. Addressee's Address (ONLY if requested and fee paid)